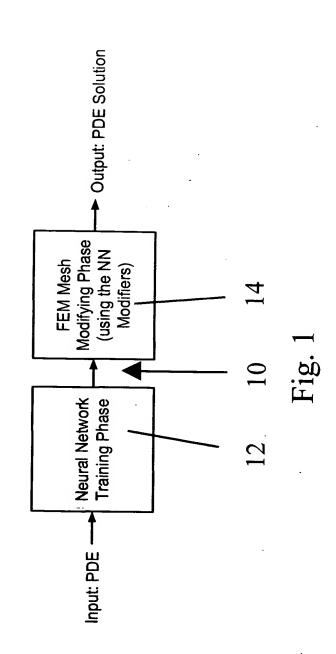
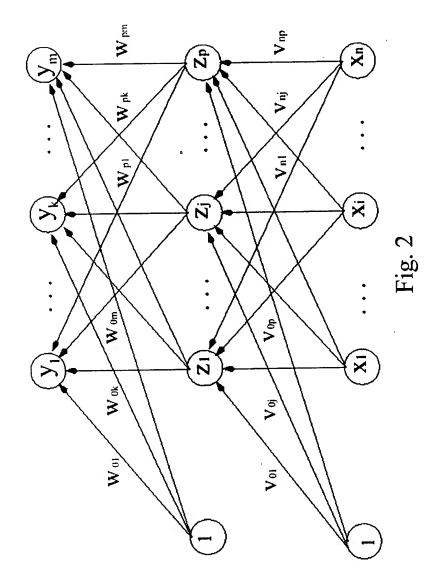
Sheet: 1 of 18
Title: .... ADAPTATION OF FINITE ELEMENT MESHES ....

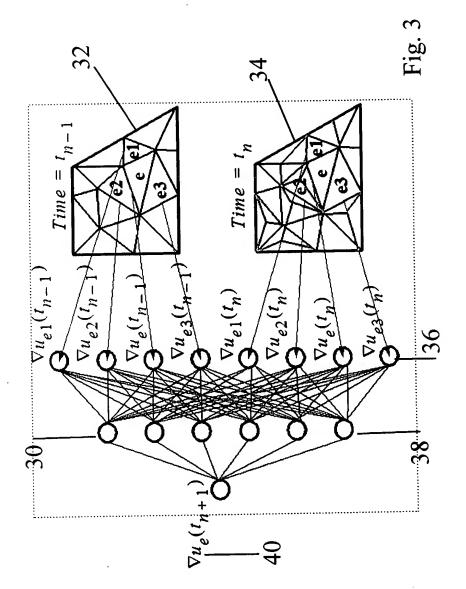
Serial No.: <u>10/657,210</u> Inventor: <u>MANEVITZ</u> et al

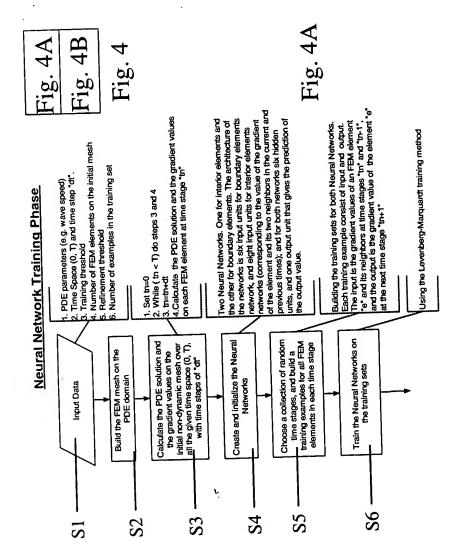


Neural Network Time Series Forecasting of Finite-Element Mesh Adaptation



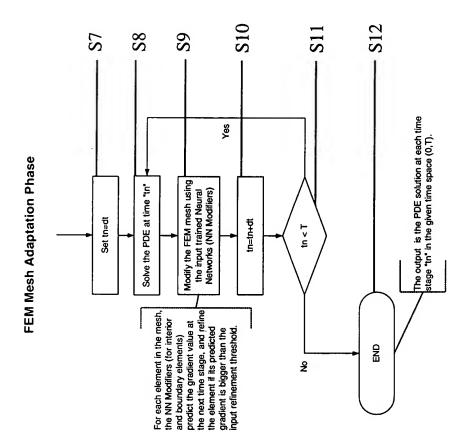




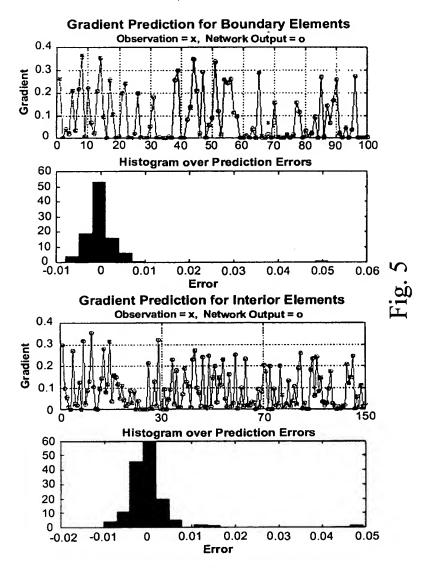


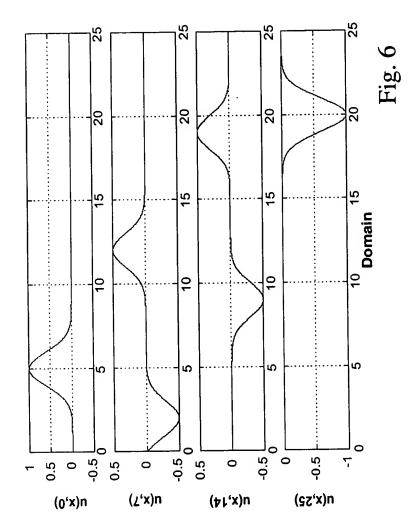
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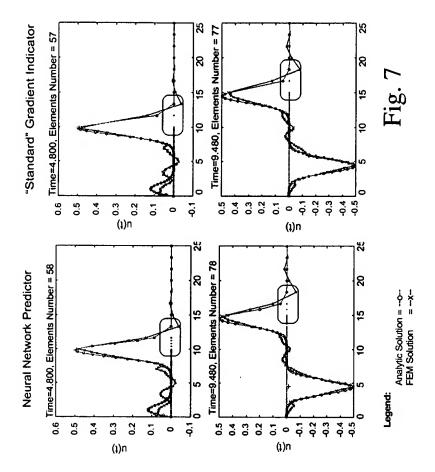
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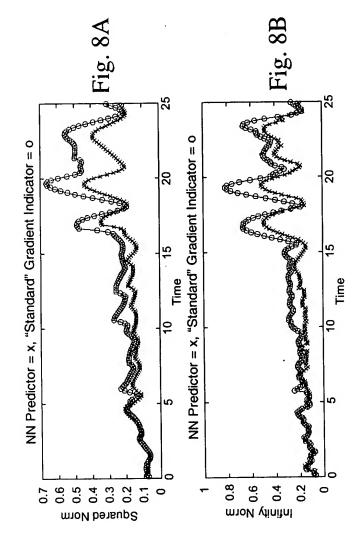




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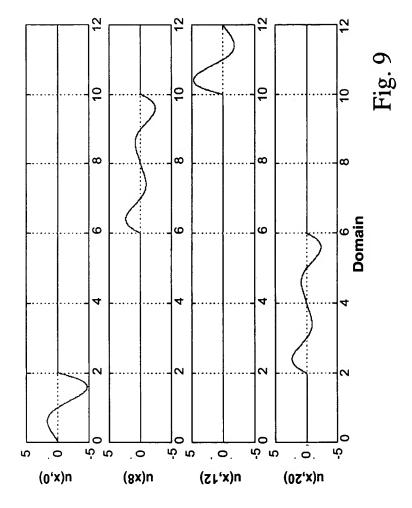
REPLACEMENT SHEET Sheet: 8 of 18
Title: .... ADAPTATION OF FINITE ELEMENT MESHES ....





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Sheet: 10 of 18
Title: .... ADAPTATION OF FINITE ELEMENT MESHES ....



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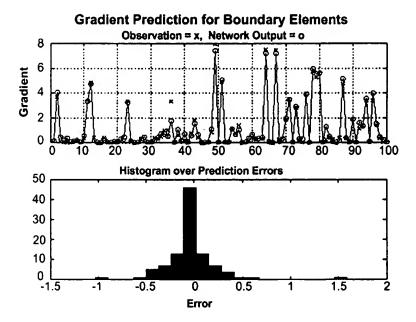


Fig. 10A

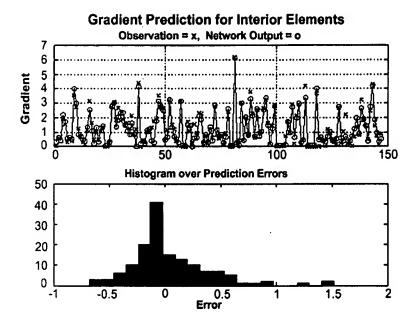
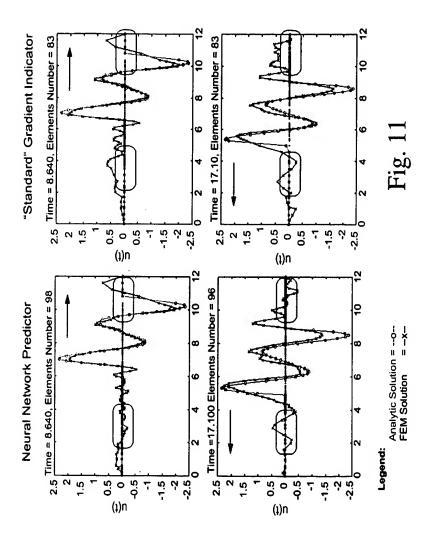


Fig. 10B

REPLACEMENT SHEET Sheet: 13 of 18
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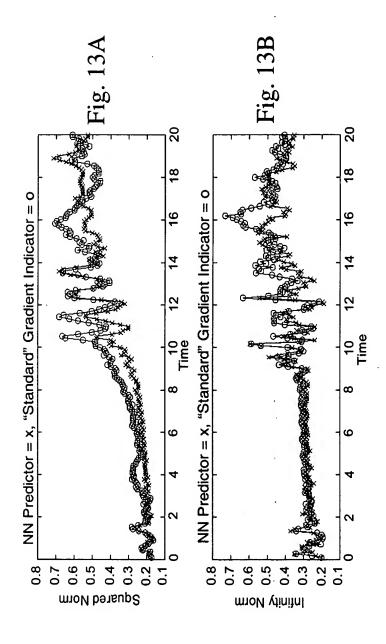
REPLACEMENT SHEET Sheet: 14 of 18
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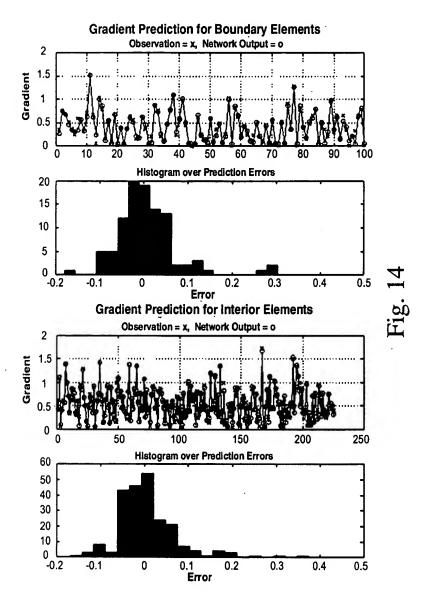
20 <del>2</del> 18 "Standard" Gradient Indicator = o "Standard" Gradient Indicator 16 10 Time ω NN Predictor = x, φ. NN Predictor 0.35 4.0 0.1

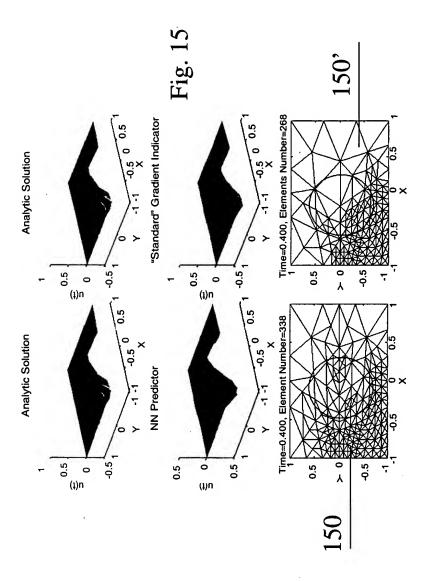
Infinity Norm

Squared Norm

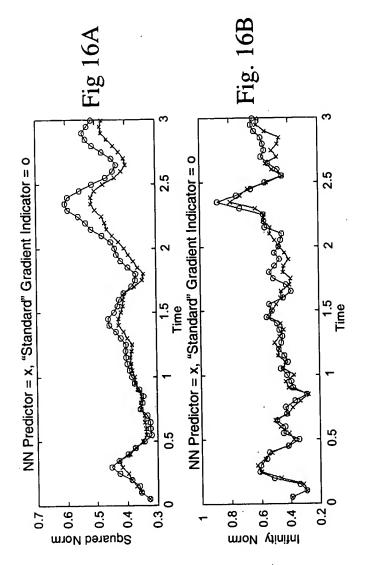
REPLACEMENT SHEET Sheet: 15 of 18
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